

### **DETAILED ACTION**

1. The amendment filed 05/18/09 have been entered and made of record.

#### ***Information Disclosure Statement***

2. The information disclosure statement (IDS) submitted on 05/12/08 was filed. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

### **EXAMINER'S AMENDMENT**

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Audrey Kwan on July 24, 2009.

4. The application has been amended as follows:

#### **IN THE SPECIFICATION**

Page 15, lines 9-10, "The invention may also be embodied in a carrier wave traveling over an appropriate medium such as airwaves, optical lines, electric lines, etc " has been deleted.

## IN THE CLAIMS

Claim 1 has been rewritten as follows:

A method for receiving frames at a gateway device, comprising:

receiving a frame at a metro ethernet gateway coupled to a metro ethernet network and an external network, the frame having an outer tag value identifying a customer site in a metro ethernet network, an inner tag value in an inner tag field, an ethernet packet header, and an ethernet packet payload, wherein a first value for the inner tag field is mapped to a frame relay service, a second value for the inner tag field is mapped to an Ethernet service, and a plurality of values for the inner tag field are mapped to Asynchronous Transfer Mode (ATM) virtual circuits determining that the inner tag value identifies a service provisioned for the customer site; and  
replacing the outer tag and the inner tag with one or more identifiers for transmission onto the external network;

wherein determining that the inner tag identifies a service provisioned for the customer comprises determining if the inner tag has a reserved value.

Canceled claim 2;

Claim 11 has been rewritten as follows:

A gateway device, comprising:

an external network interface coupled to an external network; a metro ethernet network interface coupled to a metro ethernet network, the interface configured to receive a

frame at a metro ethernet gateway coupled to a metro ethernet network and an external network, the frame having an outer tag value identifying a customer site in a metro ethernet network, an inner tag value in an inner tag field, an ethernet packet header, and an ethernet packet payload, wherein a first value for the inner tag field is mapped to a frame relay service, a second value for the inner tag field is mapped to an Ethernet service, and a plurality of values for the inner tag field are mapped to Asynchronous Transfer Mode (ATM) virtual circuits; and

a processor operable to determine that the inner tag value identifies a service provisioned for the customer site and to replace the outer tag and the inner tag with one or more identifiers for transmission onto the external network;

wherein determining that the inner tag identifies a service provisioned for the customer comprises determining if the inner tag has a reserved value.

Canceled claim 12;

Claim 21 has been rewritten as follows:

A network node, comprising: means for receiving a frame at a metro ethernet gateway coupled to a metro ethernet network and an external network, the frame having an outer tag value identifying a customer site in a metro ethernet network, an inner tag value in an inner tag field, an ethernet packet header, and an ethernet packet payload, wherein a first value for the inner tag field is mapped to a frame relay service, a second value for the inner tag field is mapped to an Ethernet service, and a plurality of values for the

inner tag field are mapped to Asynchronous Transfer Mode (ATM) virtual circuits ;  
means for determining that the inner tag value identifies a service provisioned for the customer site; and

means for replacing the outer tag and the inner tag with one or more identifiers for transmission onto the external network;

wherein determining that the inner tag identifies a service provisioned for the customer comprises determining if the inner tag has a reserved value.

Canceled claim 22;

Claim 23 has been rewritten as follows:

A computer readable medium comprising computer instruction code for receiving frames at a gateway device, the computer instruction code executed by the computer, the computer readable medium comprising:

computer code for receiving a frame at a metro ethernet gateway coupled to a metro ethernet network and an external network, the frame having an outer tag value identifying a customer site in a metro ethernet network, an inner tag value in an inner tag field, an ethernet packet header, and an ethernet packet payload, wherein a first value for the inner tag field is mapped to a frame relay service, a second value for the inner tag field is mapped to an Ethernet service, and a plurality of values for the inner tag field are mapped to Asynchronous Transfer Mode (ATM) virtual circuits;  
computer instruction code for determining that the inner tag value identifies a service

provisioned for the customer site; and  
computer instruction code for replacing the outer tag and the inner tag with one or more  
identifiers for transmission onto the external network;  
wherein determining that the inner tag identifies a service provisioned for the customer  
comprises determining if the inner tag has a reserved value.

Canceled claim 24;

***Allowable Subject Matter***

5. Claims 1, 3-11, 13-21, 23 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:  
Claims 1, 11, 21, 23 are allowed. The prior art fails to disclose wherein a first value for  
the inner tag field is mapped to a frame relay service, a second value for the inner tag  
field is mapped to an Ethernet service, and a plurality of values for the inner tag field are  
mapped to Asynchronous Transfer Mode (ATM) virtual circuits determining that the  
inner tag value identifies a service provisioned for the customer site; and  
replacing the outer tag and the inner tag with one or more identifiers for transmission  
onto the external network; wherein determining that the inner tag identifies a service  
provisioned for the customer comprises determining if the inner tag has a reserved  
value.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHUONG T. HO whose telephone number is (571)272-3133. The examiner can normally be reached on 8:00 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sheikh Ayaz can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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